Available online at www.sciencedirect.com
SCIENCE DIRECT
ELSEVIER
Journal of Contaminant Hydrology 69 (2004) 299
JOURNAL OF
Contaminant Hydrology
www.elsevier.com/locate/jconhyd

Contents Volume 69, 2004

VOL. 69, NOS. 1–2

Use of X-ray absorption imaging to examine heterogeneous diffusion in fractured crystalline rocks
S.J. Altman, M. Uchida, V.C. Tidwell, C.M. Boney and B.P. Chambers 1
Reactive solute transport in macroscopically homogeneous porous media: analytical solutions for the temporal moments
R. Srivastava, P.K. Sharma and M.L. Brusseau 27
Geochemical characterization of acid mine drainage from a waste rock pile, Mine Doyon, Québec, Canada
O. Sracek, M. Choquette, P. Gélinas, R. Lefebvre and R.V. Nicholson 45
Effects of ethanol addition on micellar solubilization and plume migration during surfactant enhanced recovery of tetrachloroethene
T.P. Taylor, K.M. Rathfelder, K.D. Pennell and L.M. Abriola 73
Hydrochemical stratification in flooded underground mines: an overlooked pitfall
C.A. Nuttall and P.L. Younger 101
Groundwater chemistry of the Okélobondo uraninite deposit area (Oklo, Gabon): two-dimensional reactive transport modelling
J. Salas and C. Ayora 115
An inverse system for incorporation of conditioning to pressure and streamline-based calibration
M. Jang and J. Choe 139

VOL. 69, NOS. 3–4

Investigation of hydrogeologic processes in a dipping layer structure: 1. The flow barrier effect
E. Alfnes, W. Kinzelbach and P. Aagaard 157
Investigation of hydrogeologic processes in a dipping layer structure: 2. Transport and biodegradation of organics
E. Alfnes, G.D. Breedveld, W. Kinzelbach and P. Aagaard 173
Effect of cell physicochemical characteristics and motility on bacterial transport in groundwater
M.W. Becker, S.A. Collins, D.W. Metge, R.W. Harvey and A.M. Shapiro 195
Direct-push geochemical profiling for assessment of inorganic chemical heterogeneity in aquifers
M.K. Schulmeister, J.M. Healey, J.J. Butler Jr. and G.W. McCall. 215
In situ sequenced bioremediation of mixed contaminants in groundwater
J.F. Devlin, D. Katic and J.F. Barker. 233
Hydraulic constraints on the performance of a groundwater denitrification wall for nitrate removal from shallow groundwater
L.A. Schipper, G.F. Barkle, J.C. Hadfield, M. Vojvodic-Vukovic and C.P. Burgess 263
Controlled release, blind test of DNAPL remediation by ethanol flushing
M.C. Brooks, M.D. Annable, P.S.C. Rao, K. Hatfield, J.W. Jawitz, W.R. Wise, A.L. Wood and C.G. Enfield. 281

Contents Volume 69, 2004 299

doi:10.1016/S0169-7722(03)00029-4